

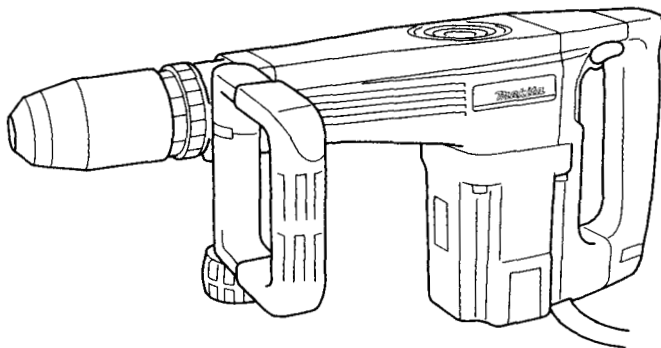
Makita

アメリカ

Demolition Hammer

MODEL HM1140C

INSTRUCTION MANUAL



**DOUBLE
INSULATION**

SPECIFICATIONS

Blows per minute	Overall length	Net weight
1,300 — 2,650	517 mm (20-11/32")	6.3 kg (13.9 lbs)

• Manufacturer reserves the right to change specifications without notice.

• Note: Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

GENERAL SAFETY RULES

(For All Tools)

WARNING! Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.


SAVE THESE INSTRUCTIONS

READ ALL INSTRUCTIONS.

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

4. **Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.
5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
8. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W."** These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

11. **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
12. **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
13. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
14. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

15. **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
16. **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
17. **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
18. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
19. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
20. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
21. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
22. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

SERVICE

23. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
24. **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.








Specific Safety Rules

- 1. Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.**
- 2. Wear ear protectors when using the tool for extended periods. Prolonged exposure to high intensity noise can cause hearing loss.**
- 3. Wear a hard hat (safety helmet), safety glasses and/or face shield. It is also highly recommended that you wear a dust mask, ear protectors and thickly padded gloves.**
- 4. Be sure the bit is secured in place before operation.**
- 5. Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.**
- 6. In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warm-up, hammering operation is difficult.**
- 7. Always be sure you have a firm footing.
Be sure no one is below when using the tool in high locations.**
- 8. Hold the tool firmly with both hands.**
- 9. Keep hands away from moving parts.**
- 10. Do not leave the tool running. Operate the tool only when hand-held.**
- 11. Do not point the tool at any one in the area when operating. The bit could fly out and injure someone seriously.**
- 12. Do not touch the bit or parts close to the bit immediately after operation; they may be extremely hot and could burn your skin.**

SAVE THESE INSTRUCTIONS.

SYMBOLS

The followings show the symbols used for tool.

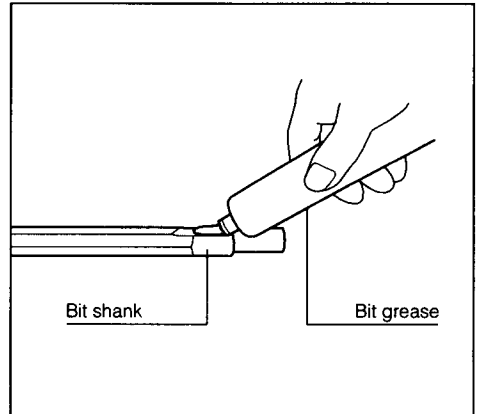
V	..... volts
A	..... amperes
Hz	..... herts
kg	..... kilograms
h	..... hours
min	..... minutes
s	..... seconds
	..... alternating current
	..... direct current
n_0	..... no load speed
	..... alternating or direct current
	..... Class II Construction
	..... splash-proof construction
	..... watertight construction
.../min	..... revolutions or reciprocation per minute
	..... number of blow

Installing or removing bit

CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing the bit.

This tool accepts 3/4" Hexagonal and 21/32" round shank bits. Clean the bit shank and apply the bit grease provided to it before installing the bit.

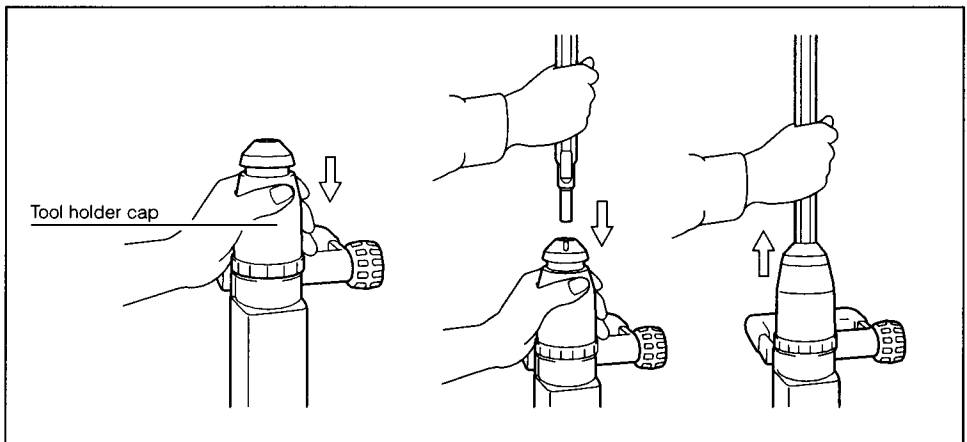


Pull the tool holder cover down all the way.

With the cut in the bit shank aligned with the notch in the tool holder cap, insert the bit into the tool holder.

Release the tool holder cover. It will return automatically to its original position to secure the bit.

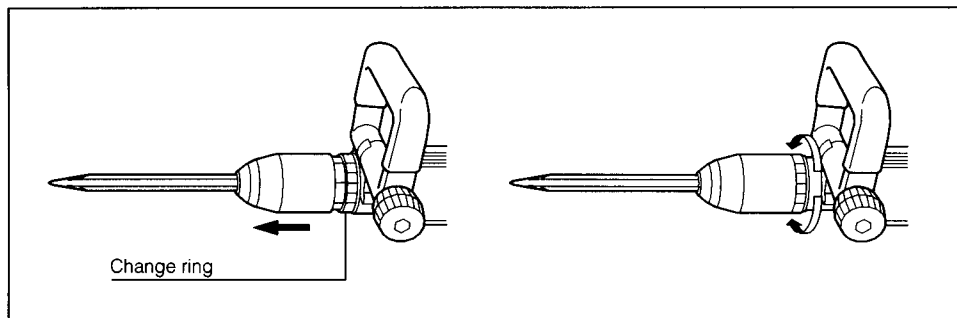
After installing, always make sure that the bit is securely held in place by trying to pull it out.



To remove the bit, pull the tool holder cover down all the way and pull the bit out.

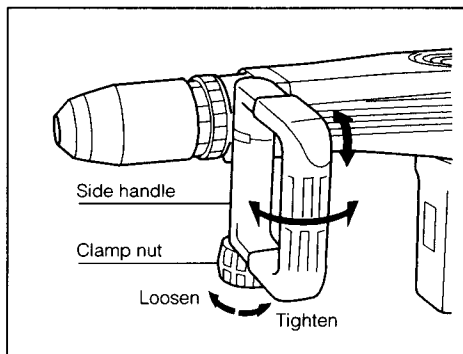
Bit angle

The bit can be secured at 12 different angles. To change the bit angle, slide the change ring forward, then turn the change ring to change the bit angle. At the desired angle, slide the change ring back to the original position. Then turn the change ring slightly so that the bit will be secured in place with a little click.



Side handle (auxiliary handle)

The side handle can be swung 360° on the vertical and secured at any desired position. It also secures at eight different positions back and forth on the horizontal. Just loosen the clamp nut to swing the side handle to a desired position. Then tighten the clamp nut securely.

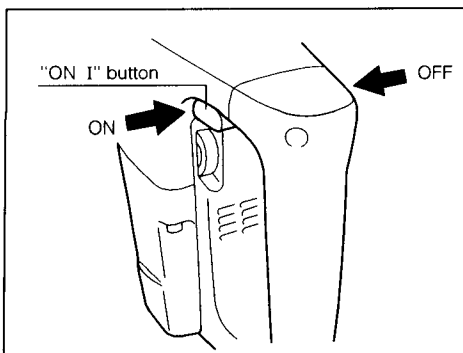


Switch action

CAUTION:

Before plugging in the tool, always check to see that the tool is switched off.

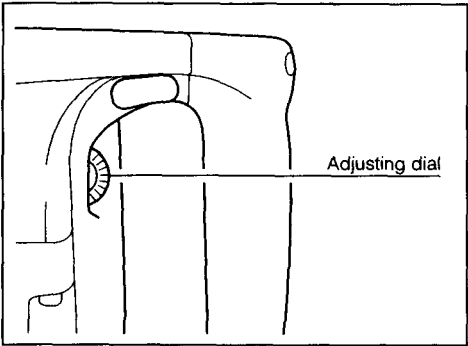
To start the tool, push the "ON I" button on the left side of the tool. To stop the tool, push the "OFF O" button on the right side of the tool.



Speed change

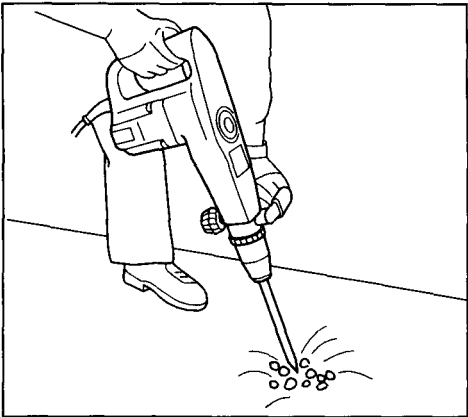
The blows per minute can be adjusted between 1,300 and 2,650 BPM just by turning the adjusting dial. This can be done even while the tool is running. The dial is marked 1 (lowest speed) to 5 (full speed). Refer to the table below for the relationship between the number settings on the adjusting dial and the blows per minute.

Number on adjusting dial	Blows per minute
5	2,650
4	2,350
3	1,950
2	1,550
1	1,300



Chipping/Scaling/Demolition

Hold the tool firmly with both hands. Turn the tool on and apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.



MAINTENANCE

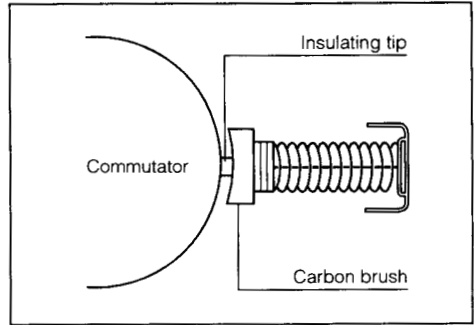
CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

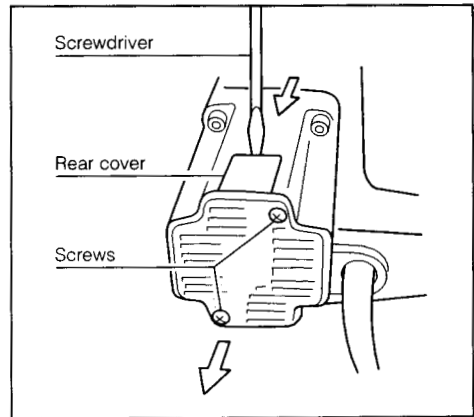
Replacing carbon brushes

When the resin insulating tip inside the carbon brush is exposed to contact the commutator, it will automatically shut off the motor.

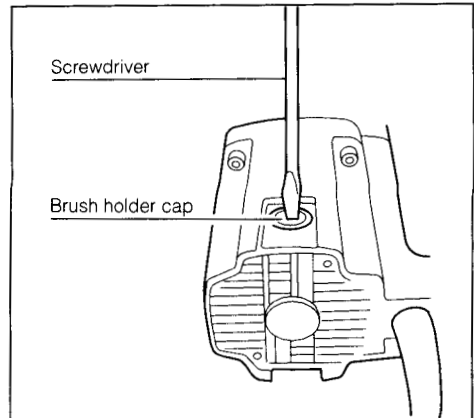
When this occurs, both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



Loosen the screws which secure the rear cover. Pry up the rear cover with a screwdriver and remove it.



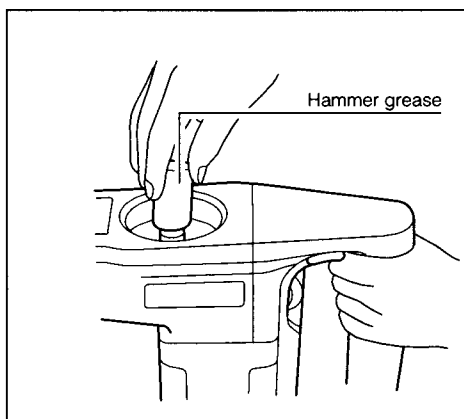
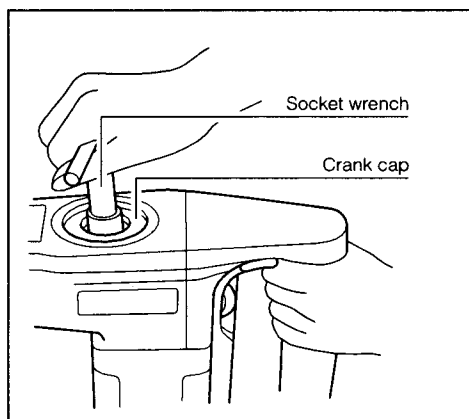
Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.



Lubrication

This tool requires no hourly or daily lubrication because it has a grease-packed lubrication system. It should be relubricated after every 6 months of operation. Send the complete tool to Makita Authorized or Factory Service Center for this lubrication service. However, if circumstances require that you should lubricate it by yourself, proceed as follows.

Run the tool for several minutes to warm it up. Switch off and unplug the tool. Remove the crank cap using a socket wrench. Rest the tool on the table with the bit end pointing upwards. This will allow the old grease to collect inside the crank housing. Wipe out the old grease inside and replace with a fresh grease (30 g). Use only Makita genuine hammer grease (optional accessory). Filling with more than the specified amount of grease (approx. 30 g) can cause faulty hammering action or tool failure. Fill only with the specified amount of grease. Reinstall the crank cap and tighten with the socket wrench. Do not tighten the crank cap excessively. It is made of resin and is subject to breakage.



To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

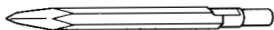
CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

- **Bull point** (For demolishing)

300 mm (11-7/8") Part No. 798146-1

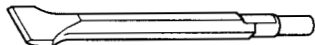
450 mm (17-3/8") Part No. 798147-9



- **Scaling chisel**

50 mm (2") x 300 mm (11-7/8")

Part No. 798141-1



- **Grooving chisel**

22 mm (7/8") x 300 mm (11-7/8")

Part No. 798142-9

26 mm (1") x 300 mm (11-7/8")

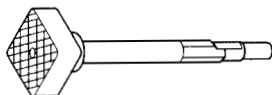
Part No. 798143-7



- **Bushing tool** (For surfacing concrete)

67 mm (2-5/8") x 300 mm (11-7/8")

Part No. 798144-5



- **Safety goggle**

Part No. 191686-2



- **Cold chisel** (For gouging)

26 mm (1") x 300 mm (11-7/8")

Part No. 798139-8

26 mm (1") x 450 mm (17-3/4")

Part No. 798140-3



- **Clay spade**

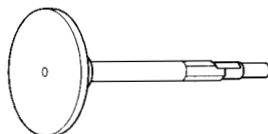
105 mm (4-1/8") x 400 mm (15-3/4")

Part No. 798148-7



- **Rammer** (For tamping, ramming, etc.)

140 mm (5-1/2") Part No. 798149-5



- **Hammer grease** (30 g)

Part No 181490-7

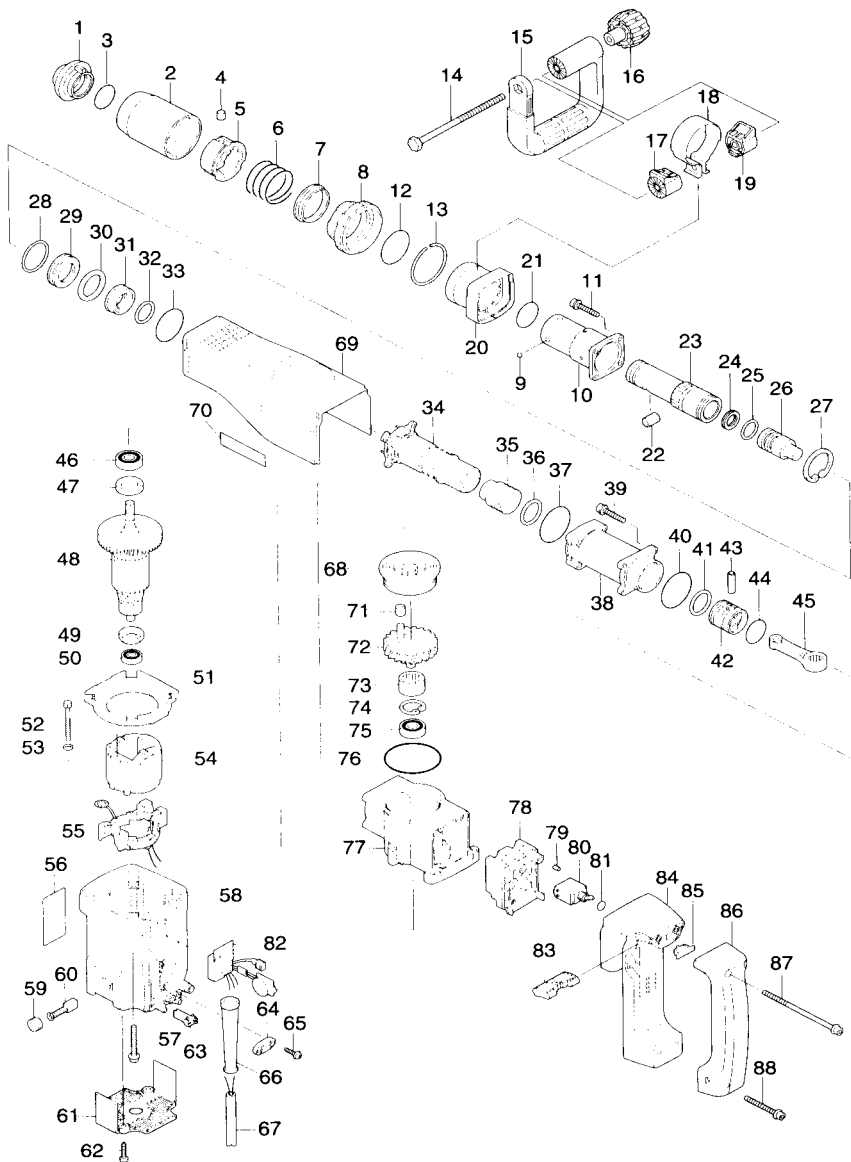


- **Plastic carrying case**



DEMOLITION HAMMER

Model HM1140C



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	1	Tool Holder Cap	48	1	ARMATURE ASSEMBLY
2	1	Tool Holder Cover			(With Item 49 & 50)
3	1	O Ring 28	49	1	Insulation Washer
4	1	Pin 6	50	1	Ball Bearing 608LB
5	1	Roller Guide	51	1	Baffle Plate
6	1	Compression Spring 47	52	2	Hex. Bolt M5x60
7	1	Steel Ball Guide	53	2	Flat Washer 5
8	1	Change Ring	54	1	Field
9	4	Steel Ball 5.6	55	1	Support Complete
10	1	Tool Holder Support	56	1	Name Plate
11	4	Hex. Socket Head Bolt M6x30	57	4	Hex. Socket Head Bolt M6x40
12	1	O Ring 44	58	1	Motor Housing Complete
13	1	Ring Spring 52	59	2	Brush Holder Cap
14	1	Hex. Bolt M8x150	60	2	A.C. Carbon Brush
15	1	Side Handle	61	1	Rear Cover
16	1	Wing Nut M8	62	2	Tapping Screw 5x20
17	1	Handle Base 60	63	1	Fix Rod
18	1	Handle Spring 60	64	1	Strain Relief
19	1	Handle Base 60	65	2	Tapping Screw 4x18
20	1	Side Handle Support	66	1	Cord Guard
21	1	O Ring 33	67	1	Cord
22	1	Roller 12	68	1	Crank Cap
23	1	Tool Holder	69	1	Housing Cover Complete
24	1	X Ring 19	70	1	Makita Mark
25	1	O Ring 19	71	1	Inner Sleeve 812
26	1	Impact Bolt	72	1	Crank Shaft Complete
27	1	Retaining Ring R—36	73	1	Needle Bearing 2116
28	1	Ring 36	74	1	Retaining Ring R—26
29	1	Impact Bolt Guide	75	1	Ball Bearing 6000LLU
30	1	O Ring 25	76	1	O Ring 65
31	1	Sleeve Guide	77	1	Crank Housing
32	1	O Ring 22	78	1	Switch Box
33	1	O Ring 44	79	2	Rubber Pin 4
34	1	Cylinder Liner Assembly	80	1	Switch
35	1	Striker	81	1	O Ring 12
36	1	O Ring 27	82	1	Controller
37	1	O Ring 50	83	1	Switch Lever
38	1	Barrel	84	1	Controller Cover
39	4	Hex. Socket Head Bolt M6x30	85	1	Stopper
40	1	O Ring 48	86	1	Handle
41	1	O Ring 27	87	2	Hex. Socket Head Bolt M6x90
42	1	Piston	88	2	Hex. Socket Head Bolt M6x50
43	1	Sleeve 6	89	1	Sleeve 39
44	1	O Ring 28	90	1	Compression Spring 39
45	1	Rod	91	1	Flat Washer 39
46	1	Ball Bearing 6201DDW	92	1	Ring Spring 36
47	1	Oil Seal 14			

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation

3-11-8, Sumiyoshi-cho,
Anjo, Aichi 446-8502 Japan